

20417 Upgrading Your Skills to MCSA Windows Server 2012

Overview

This course explains new features and functionality in Windows Server 2012 around management, networking infrastructure, storage, access control, Hyper-V, high availability, and identity federation.

Prerequisite Comments

Before attending this course, students must have:

- Experience with day-to-day Windows Server 2008 or Windows Server 2008 R2 system administration, management and maintenance tasks in an Enterprise environment
- Obtained the credential Microsoft Certified Solutions Associate (MCSA): Windows Server 2008 or have equivalent knowledge

Target Audience

This course is intended for Information Technology (IT) Professionals who are experienced Windows Server 2008 or Windows Server 2008 R2 system administrators who are familiar with carrying out day to day Windows Server management and maintenance tasks. The course will update their skill to Windows Server 2012 and Windows Server 2012 R2.

Course Objectives

After completing this course, students will be able to:

- Install and configure Windows Server 2012.
- Manage Windows Server 2012 by using Windows PowerShell.
- Manage storage in Windows Server 2012.
- Implement network services.
- Implement Remote Access.
- Implement Failover Clustering.
- Implement Hyper-V.
- Implement Failover Clustering with Hyper-V.
- Implementing secure data access for users and devices.
- Implement Active Directory Domain Services (AD DS).
- Implement Active Directory Federation Services (AD FS).
- Monitor and maintain Windows Server 2012.

Course Outline

[Register Online](#)

Schedule

Class Length: 5 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"
ILT = "Instructor-Led-Training"

This course is not currently available on the public schedule. Please contact us using the information in the footer below to inquire about future dates or to schedule a private class.

Installing and Configuring Windows Server 2012

Installing Windows Server 2012 R2
Configuring Windows Server 2012 R2 and Windows Server 2012
Configuring Remote Management for Windows Server 2012 R2 and Windows Server 2012
Lab : Installing and Configuring Windows Server 2012 R2

Managing Windows Server 2012 by Using Windows PowerShell

Overview of Windows PowerShell
Using Windows PowerShell to Manage AD DS
Managing Servers by Using Windows PowerShell
Lab : Managing Servers Running Windows Server 2012 by Using Windows PowerShell

Managing Storage in Windows Server 2012

Storage Features in Windows Server 2012
Configuring iSCSI Storage
Configuring Storage Spaces in Windows Server 2012
Configuring BranchCache in Windows Server 2012
Lab : Managing Storage on Servers Running Windows Server 2012
Lab : Implementing BranchCache

Implementing Network Services

Implementing DNS and DHCP Enhancements
Implementing IPAM
Managing IP Address Spaces with IPAM
NAP Overview
Implementing NAP
Lab : Implementing Network Services
Lab : Deploying NAP

Implementing Remote Access

Remote Access Overview
Implementing DirectAccess by Using the Getting Started Wizard
Implementing and Managing an Advanced DirectAccess Infrastructure
Implementing VPN
Lab : Implementing DirectAccess

Implementing Failover Clustering

Overview of Failover Clustering
Implementing a Failover Cluster
Configuring Highly-Available Applications and Services on a Failover Cluster
Maintaining a Failover Cluster
Implementing a Multisite Failover Cluster
Lab : Implementing Failover Clustering

Implementing Hyper-V

Configuring Hyper-V Servers
Configuring Hyper-V Storage
Configuring Hyper-V Networking
Configuring Hyper-V Virtual Machines
Lab : Implementing Server Virtualization with Hyper-V

Implementing Failover Clustering with Windows Server 2012 R2 Hyper-V

Overview of the Integration of Hyper-V Server 2012 with Failover Clustering
Implementing Hyper-V Virtual Machines on Failover Clusters
Implementing Windows Server 2012 Hyper-V Virtual Machine Movement
Implementing Hyper-V Replica
Lab : Implementing Failover Clustering with Windows Server 2012 Hyper-V

Implementing Secure Data Access for Users and Devices

Dynamic Access Control Overview
Implementing DAC Components
Implementing DAC for Access Control
Implementing Access-Denied Assistance
Implementing and Managing Work Folders
Lab : Implementing Secure File Access

Implementing AD DS

Deploying AD DS Domain Controllers
Configuring AD DS Domain Controllers
Implementing Service Accounts
Implementing Group Policy in AD DS
Overview of Windows Azure Active Directory
Maintaining AD DS
Lab : Implementing AD DS
Lab : Troubleshooting and Maintaining AD DS

Implementing AD FS

Overview of AD FS
Deploying AD FS
Implementing AD FS for a Single Organization
Deploying AD FS in a Business-to-Business Federation Scenario
Implementing Web Application Proxy
Implementing Workplace Join
Lab : Implementing AD FS

Monitoring and Maintaining Windows Server 2012

Monitoring Windows Server 2012
Implementing Windows Server Backup
Implementing Server and Data Recovery
Lab : Monitoring and Maintaining Windows 2012 Servers

Related Courses, Certifications, Exams ---

- MCSA: Windows Server 2012
 - 70-417 - Upgrading Your Skills to MCSA Windows Server 2012
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